Abstract Submitted
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Improving Capabilities of Low-Background Assay at SNOLAB[1]
CHRIS JILLINGS, SNOLAB, SNOLAB SCIENTISTS TEAM — SNOLAB is a deep-underground clean laboratory for particle, nuclear, and astro physics. as well as extreme biology and other underground science. SNOLAB has recently, and is continuing to, expanded capabilities for low-background measurements on support of the SNOLAB and world-wide program. The capabilities include gamma counting, surface alpha counting, ultra-low-background radon emanation, and x-ray fluorescence. Chemical assay is expanding with ICP - Atomic Emission Spectroscopy, particulate microscopy, and (soon) Flame Atomic Absorption spectroscopy. For plastics and organic liquids, concentration by vaporization is available. We are looking to expand our capabilities and are looking for input from the global community to help guide further efforts.

[1]Candian Foundation for Innovation

Chris Jillings
SNOLAB

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